REV	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR

SEE SHEET 13

TO EXT. HEAT EXCHANGER — J16 1, J16 2 — GND — R192 100 2W — -15V — C129 1.0

TP25 — J21 50 — +15V J14 6 — C90 10 TANT — C91 0.1 — +15V — COM J14 5 — J14 3 — GND

TP26 — J21 2 — -15V J14 4 — C92 10 TANT — C93 0.1 — -15V — GND

TP27 — J21 49 — +5V J14 2 — C94 10 TANT — C95 0.1 — DS3 RTL PWR ON — TP52 — COM J14 1 — GND

SH 3,11 — INT31 — REP RATE

SH 2 — INT30 — LINE DROP OUT

SH 2 — J6 10 — 6.3AC

J6 11 — 6.3VAC RETURN

DI (+) J13 2 — +5V

DI (-) J13 1 — DS5 RTL LOW WATER — GND

+15V — R136 10K — Q17 VN10KM — +15V* — R38 49.9K — Q7 VN10KM — GND

CLOSED = ÷ 1
OPEN = ÷ 2

TP1 — +8.8V — CR9 1N4007 — C1 2200/16V — C2 2200/16V — GND

R49 10K — R50 4.75K — C39 0.1 — GND

CR12 1N4004 — -15V — -15V* — C42 10 TANT — GND

CR6 1N4004 — +5V — +5V* — C26 100 35V — GND

+5V — IDENTIFIER — S1 — U16 PXO600 (VDD, RESET, P1–P6, CSEL, OUT, FOUT, EXE, VSS, TEST, NC, NC) — C30 0.1 — GND

CSEL
H = LINE SYNC
L = INT ASYNC

R135 49.9K

+15V* — U19 LM319N — C40 0.1 — R41 4.75K — C31 0.1 — GND

+5V* — U14 CD4098 (VDD, CX, +TR, -TR, RESET, VSS, RX, Q1, Q1) — R43 10K — C27 .01 — GND

+5V* — U13 CD4071 — C25 .01 — GND

+5V* — C32 0.1 — R42 4.75K — GND

+5V* — U14 CD4098 — R40 10K — C29 .01 — C28 .01 — GND

+15V* — U19 LM319N — C41 0.1 — GND

-15V* — GND

S2 — +5V — R229 10K — GND

+5V — C157 0.1 — U72 CD4070 — GND

CPER20 — PER 20 J6 2 — R223 100K — R224 10K — C155 0.1 — GND

1 NOT OK

U46 CD4086 (VDD, ENABLE, INHIBIT, VSS, A–H) — +5V — GND

0 NOT OK

U67 CD4049 — +5V — GND

DS6 RTL LASER ID — +5V — VN10KM Q25 — GND

+15V — C199 0.1 — GND — R292 150

+5V — C182 0.1 — GND — U86 CD40107 (VDD, A, B, C, VSS) — GND

CR38 1N914 — K3 — TP57 — INKC — SH 5 — J2 30 — J2 31 — INKD — SH 5

U78 CD4001B — GND — J25 27 — CIM INTERLOCK

R230 10K — GND

S2 — +5V — J25 41 — CPER21 — PER 21 J6 3 — R221 100K — R222 10K — C156 0.1 — GND

SW 2 - 4
GCR - 100 = 0
GCR - 200 = 1

S2 — +5V — J25 31 — CPER22 — PER 22 J6 7 — R218 10K — R219 100K — R220 10K — C159 0.1 — GND

PER +5 J6 1 — +5V

J25 35 — CPER23 — PER 23 J21 18

R226 10K — GND — S2 — +5V — U72 CD4070 — R227 100K — R228 10K — C158 0.1 — GND

FILE:MAIN6.SCH

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	DUKE	9/94
CHK.		
ENG.	S.LAWRENCE	9/94
MFG.		

MODEL — NEXT ASSY. — FINISH:

Spectra-Physics — MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± MIN: ± .XX ± ANGLES: ± .XXX ± SURF.FIN: ± — CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY — GENERAL TOLERANCING PER ILP DOCUMENT NO. C-5124

SCHEMATIC,
MAIN CONTROL P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET OF	REV.
NONE	D	0449-4020	6 OF 13	D

8-5